# LAND APPLICATION SITE DANIEL M KULYNYCH CRDMK 1 - 7 CAROLINE COUNTY

## VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPL	ICATION AGREEMENT -	BIOSOLIDS AND INDU	JSTRIAL RESIDUALS
A. This land application agree here as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified longer be authorized to receive	Recyc Systems, Inc., re rminated in writing by either p of a sale of one or more parce in this agreement changes, th ive biosolids or industrial residue.	ferred to here as the "Pernarty or, with respect to tho els, until ownership of all pose parcels for which own duals under this agreemer	nittee". This agreement se parcels that are retained by arcels changes. If ownership of ership has changed will no at.
attached as Exhibit A.	r of record of the real property or reclamation sites identified	bolow iii Table 1 and iba	
Table 1.: Parcels auth	norized to receive biosolids, w	ater treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
41-A-11			
:// A 10/			120
41-A-18			
Additional parcels containing Lan-	d Application Sites are identified on S	upplement A (check if applicable	9)
Check one: ☑ Th	e Landowner is the sole owne e Landowner is one of multiple	r of the properties identifie s owners of the properties	d herein. identified herein.
within 38 months of the late  1. Notify the purchase later than the date 2. Notify the Permitte	wner sells or transfers all or past date of biosolids application or or transferee of the application of the property transfer; and of the sale within two weeks	following property transfe	management restrictions no r.
notify the Permittee immed for application or any part of incorrect.	of this agreement becomes inv	ralid or the information her	ein contained becomes
agricultural sites identified inspections on the land ide purpose of determining cor	ntified above, before, during c npliance with regulatory requi	andowner also grants per or after land application of prements applicable to suct and processing waste	permitted residuals for the application.  Other industrial sludges
⊠ Yes □ No ⊠ Y		Yes □ No	☑ Yes ☐ No
Landowner - Printed Name, Til	Signature 12 & 804-512-	,	12136 PAGERO  Mailing Address & Phone Number  Workfood VR 23580
manner authorized by the VF	e Permittee, agrees to apply bioso A Permit Regulation and in amou application field by a person certif	olids and/or industrial residual ints not to exceed the rates in ied in accordance with §10.1-	is on the Landowner's land in the dentified in the nutrient management 104.2 of the Code of Virginia.
The Permittee agrees to noti specifically prior to any partic	fy the Landowner or the Landowner cular application to the Landowner	er's designee of the propose 's land. Notice shall include	d schedule for land application and the source of residuals to be applied.

Permittee – Authorized Representative
Printed Name

Signature

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

PO Box 562 Remington, Virginia 22734

Mailing Address

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Caroline Co.  Landowner: Oarliel M. Kulynych
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.
I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:
<ol> <li>Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.</li> </ol>
<ul> <li>2. Public Access</li> <li>a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> </ul>
<ul> <li>3. Crop Restrictions: <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).</li> </ul> </li> </ul>
4. Livestock Access Restrictions: Following biosolids application to pasture or hayland sites:  A Meat producing livestock shall not be grazed for 30 days.

- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Whyy (1)

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

## PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agree here as "Landowner", and Runtil it is terminated in writing the event of a sale of one or identified in this agreement of receive biosolids or industrial	ecyc Systems g by either par more parcels changes, thos	s. Inc. referred to rty or, with respec , until ownership e parcels for whice	here as the "Permitted to those parcels the of all parcels changed by ownership has check the country of the change of the country of the change of the chan	ee". This agree at are retained be	ment remains in effect by the Landowner in
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying over the company of the compa	clamation site	es identified below	ocated in v in Table 1 and ider	موسی, Virgin htified on the tax	ia, which includes the map(s) with county
Table 1.: Parcels aut	horized to rec	eive biosolids, wa	ater treatment residu	als or other indu	ustrial sludges
Tax Parcel ID	Tax F	Parcel ID	Tax Parcel II		Tax Parcel ID
	41-4	-19	20		i e
☐ Additional parcels containing	a Land Application	on Sites are identified	on Supplement A (sheek	if applicable)	
Check one:  The La The La The La In the event that the Landow within 38 months of the lates  1. Notify the purchaser than the date of the 2. Notify the Permittee  The Landowner has no other notify the Permittee immedia application or any part of this The Landowner hereby grant agricultural sites identified at inspections on the land ident purpose of determining comp  Class B biosolids  Yes  Printed name  Printed name By:	ndowner is the ndowner is or ner sells or trat t date of biose or transferee property trans of the sale with agreements tely if condition agreement but permission pove and in Expermission pove and in Experiment residual No	e sole owner of the of multiple own ansfers all or part olids application, of the applicable of the applicable of the application for land applications change such the comes invalid of the Permittee of the Perm	ne properties identificers of the properties of the property to with a Landowner shall public access and collowing property transport on the fields identification her to land apply residual downer also grants fiter land application nents applicable to sprocessing waste	ed herein. s identified herei hich biosolids ha trop managemen asfer. tified herein. The longer available ein contained be als as specified I permission for E of permitted res such application. Other industria	e Landowner will to the Permittee for ecomes incorrect.  Delow, on the DEQ staff to conduct siduals for the landowner will to conduct siduals for the landowner will to conduct siduals for the landowner will be landowner with the landowner will be
Title*			18 2848	1	CXD THE GO
* I certify that I have authority	to sign for the la	ndowner as indicated	by my title as executor,	Trustee or Power o	of attorney, etc.
*□ I certify that I am a responsib proprietorship, LLC, municipality,	le official [or offi	cer] authorized to ac	t on behalf of the follow	ing corporation, pa	rtnership,
Permittee: Recyc Systems, Inc., the Permit R authorized by the VPA Permit R prepared for each land application.	egulation and ii on field by a pe	n amounts not to ex rson certified in acc	ceed the rates identificordance with §10.1-10	ed in the nutrient in 04.2 of the Code of	management plan of Virginia.
The Permittee agrees to notify the specifically prior to any particular	ne Landowner or r application to	or the Landowner's the Landowner's la	designee of the propo nd. Notice shall include	sed schedule for de the source of re	land application and esiduals to be applied.
Printed name Susan Trumbo		Mailing Address	ton Vivrie i 22724	Permittee Authoriz	ed Representative
Title Technical Manag	ger	PO Box 562, Reming Phone No. 540-54	3ton Virginia 22/34 47-3300	Signatur	alo I

Rev 6/11/2018

Permittee: Recyc Systems, Inc County or City: Caplus  Landowner: Follow G Thanton	<del>- 13 - 1</del> -
Landowner Site Management Requirements:	
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<ul> <li>Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a law unless otherwise specified by DEQ.</li> </ul>	vn,
<ol><li>Crop Restrictions:</li><li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface</li></ol>	۵.

Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more

Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating

shall not be harvested for 14 months after the application of biosolids.

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months prior to incorporation into the soil,

Following biosolids application to pasture or hayland sites:
a. Meat producing livestock shall not be grazed for 30 days,

Other animals shall be restricted from grazing for 30 days:

dairy animals).
Livestock Access Restrictions:

pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

## VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

#### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

			DIOCOLIDO AND I	NDOSTRIAL RESIDUALS
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Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying owner.	ciamation site	es identified belo	located inwin Table 1 and ider	, Virginia, which includes the tified on the tax map(s) with county
Table 1.: Parcels aut	horized to rec	ceive biosolids, w	ater treatment residu	als or other industrial sludges
Tax Parcel ID	Tax F	Parcel ID	Tax Parcel ID	Tax Parcel ID
	J			
	41-A	- 19		
☐ Additional parcels containing	Land Application	on Sites are identified	on Supplement A (check	if applicable)
In the event that the Landow	ndowner is or ner sells or tra	ne of multiple ow ansfers all or par	he properties identific ners of the properties t of the property to wi	identified herein.
within 38 months of the lates  1. Notify the purchaser than the date of the part of the pa	or transferee property trans	of the applicable fer; and	public access and c	rop management restrictions no later
notify the Permittee immedia	tely if conditio	ons change such	that the fields are no	ified herein. The Landowner will longer available to the Permittee for ein contained becomes incorrect.
The Landowner hereby grant agricultural sites identified ab inspections on the land ident purpose of determining comp	ove and in Ex ified above, b	xhibit A. The Lar efore, during or a	ndowner also grants   after land application	permission for DEQ staff to conduct of permitted residuals for the
Class B biosolids   Water 1     ☑ Yes   ☐ No   ☑ Yes	<u>treatment resid</u> □ No	<u>uals</u> <u>Food</u> ⊠Ye	processing waste s □ No	Other industrial sludges  ☑ Yes ☐ No
Printed name	Ma	ailing Address	- 0	Landowner Signature
By:	"	2132 Paige R	7 33880 X	Janet A Thornton
Title*		one No. 8D4	448 2848	
* I certify that I have authority	to sign for the la	ndowner as indicate	d by my title as executor,	Trustee or Power of attorney, etc.
*□ I certify that I am a responsible proprietorship, LLC, municipality,	e official [or offi	icer] authorized to a	ct on behalf of the follow	ng corporation, partnership,
Permittee:				
authorized by the VPA Permit Riprepared for each land application	egulation and i	n amounts not to e	xceed the rates identific	s on the Landowner's land in the manner ed in the nutrient management plan 14.2 of the Code of Virginia
The Permittee agrees to notify the	ne Landowner o	or the Landowner's	s designee of the propo	sed schedule for land application and le the source of residuals to be applied.
Printed name Susan Trumbo		Mailing Address	ngton Virginia 22734	Permittee- Authorized Representative Signature
Title Technical Manag	ger	Phone No. 540-5		10

Permittee: Recyc Syste		Carrhi
Landowner Site Management Re	equirements:	

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- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
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- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Romet H Shomton	4-17-7020
Landowner's Signature	Date

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc

Site Name:

Daniel M Kulynych

County or City:

Caroline Co.

Please Print

Signature not required on this page

Tax Parcel ID(s)	<u>Landowners (s)</u>
41-A-11	Daniel M Kulynych
41-A-18	Daniel M Kulynych
41-A-19	Edward G Thornton IV & Janet H Thornton
	ia .

# **FARM DATA SHEET**

SITE NAME:	Daniel M Kulynych	COUNTY:	Caroline
OWNER:	See below	OPERATOR:	Daniel M Kulynych
OWNER'S		OPERATOR'S	12130 Paige Road
ADDRESS:		ADDRESS:	Woodford Virginia 22580
OWNER'S TELEPHONE:		OPERATOR'S TELEPHONE:	804-448-3555
GENERAL FARM TYPE:	General farm	CELL PHONE:	804-512-9595
# CATTLE:	30	EMAIL:	
LAGOON or SLURRY:	: none	LATITUDE:	F 1-3 38.076 F 4-7 38.070
TOPO QUAD:	Woodford	LONGITUDE:	F 1-3 -77.441 F 4-7 -77.436
COMMENTS:		METHOD OF DETERMINATION	Online Maps
Daniel M Kulynych		Edward G & Janet	H Thornton IV
12130 Paige Road		12132 Paige Road	
Woodford Virginia	22580	Woodford Virginia	22580
Cell 804-512-9595		804-448-2848	

## **Daniel M Kulynych**

**Caroline County** 

## Field Id Changes

New Field	Old Field
1	1
2	portion of old 2
3	portion of old 2
4	3
5	portion of old 5
6	portion of old 5
7	portion of old 3 & 4

## RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Enviro	nmentally		e Soils	111	Tax	FSA	FSA
Identification	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map#	Tract #	Field #
CRDMK-01	34.5	PORTO AND	22002	592AN	<u> 15-3115</u>	YO46	41-A-11	3440	12
CRDMK-02	14.0	13E Dec-Apr	150555-		SYAIU	YO46	41-A-11	3440	3 4
						YO46	41-A-11	3440	4
CRDMK-03N	11.3	******	1902391			1046	41-A-11	3440	4
CRDMK-04N	8.9	****	( <del>COUNT</del> )			YO46	41-A-18	3440	7 9
CRDMK-05	4.8	AMARIA.	-			YO46	41-A-19	3439	8
CRDMK-06N	2.5		- HANNE	SAMME		YO46	41-A-19	3439	10
CRDMK-07	14.6		(minter)	(# <del>0.000</del> )	***	YO46	47-A-18	3440	9 11 12
					_				
TOTAL ACRES IN SITE	90.6								

#### **NUTRIENT MANAGEMENT PLAN IDENTIFICATION**

#### Operator

Daniel Kulynych 12130 Paige Road Woodfordy, VA 22580 804.448.3555

#### Integrator:None

#### Farm Coordinates

Easting: 0, Northing: 0, zone: 17

#### Watershed Summary

watershed: YO46 county: Caroline

#### Nutrient Management Planner

Susan Trumbo Recyc Systems, Inc PO Box 562 Remington Virginia 22734 540.547.3300

Certification Code: 103

#### Acreage Use Summary

Total Acreage in this plan: 90.6

Cropland: 49.1 Hayland: 27.5 Pasture: 14. Specialty: 0.

#### **Livestock Summary**

Beef Cattle 0
Dairy Cattle 0
Poultry 0
Swine 0
Other 0

#### Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0.	0.	0.	0.	0.
tons	0	0.	0.	0.	0.

Plan written 5/1/2020 Valid until 5/1/2020

Signature:		
-	Planner	data

#### Nutrient Management Plan Balance Sheet (Spring, 2020-Summer, 2025) Daniel M Kulynych Planner: Susan Trumbo (cert. No. 103)

Tract: 3439 Location: Caroline

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appid N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
8/DMK-05(N)	5/5	2020	Fescue grass hay	70-50-95	0/0				70-50-95	N/A			
` '			mt.	1								1	
		2021		70-50-95	0/0				70-100-190	N/A			
10/DMK-06(N)	3/3	2020	Fescue grass hay	70-50-95	0/0				70-50-95	N/A			
, ,			mt.										
		2021		70-50-95	0/0				70-100-190	N/A			

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3440 Location: Caroline

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Сгор	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1 2/DMK-01(N)	35/35	2020	Corn (grain)	150-80-80	0/0				150-80-80	N/A			
		1	Fallow	0-0-0	0/0		1		0-80-80	N/A			1
		2021	Corn (grain)	150-80-80	0/0				150-160-160	N/A			
3 4/DMK-02(N)	14/14	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
.,		2021	1200 1200 1200	50-30-40	0/0				50-60-80	N/A			
4/DMK-03(N)	11/11	2020	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
` ′		2021		120-80-170	0/0				120-160-340	N/A			
7 9/DMK-04(N)	9/9	2020	Fescue grass hay	90-80-170	0/0				90-80-170	N/A			
` ′		1	mt.						1				
		2021		90-80-170	0/0				90-160-340	N/A			
9 11 12/DMK-07(N)	15/15	2020	Corn (grain)	140-60-60	0/0				140-60-60	N/A			
l '	1		Fallow	0-0-0	0/0				0-60-60	N/A			
		2021	Corn (grain)	140-60-60	0/0				140-120-120	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Notes:

## Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
3439	3439/8	DMK-05	5	Kempsville	Illa	Ш	Not Suited	Ш	
	3439/10	DMK-06	3	Kempsville	Illa	П	Not Suited	III	
3440	3440/1 2	DMK-01	35	Slagle	llb	i	III	[]	
	3440/3 4	DMK-02	14	Kempsville	Illa	Ш	Not Suited	II	
	3440/4	DMK-03	11	Slagle	Illa	11	111	II	
	3440/7 9	DMK-04	9	Kempsville	Illa	II	Not Suited	II	
	3440/9 11 12	DMK-07	15	Kempsville	Illa	II	Not Suited	II	

### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
	>170	>80	>64	>6	>4.0
	150-170	70-80	56-64	4-6	3.5-4.0
 	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

#### **Farm Summary Report**

Plan:

**New Plan** 

**Spring, 2020 - Summer, 2025** 

Farm Name:

Daniel M Kulynych

Location:

Caroline

Specialist:

Susan Trumbo

N-based Acres: 90.6 P-based Acres: 0.0

**Tract Name:** FSA Number:

3439 3439

Location:

Caroline

Field Name: Total Acres:

**DMK-05** 4.80

Usable Acres: 4.80

FSA Number: 8 Tract:

3439

В

Location:

Caroline

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

Р

Κ

Lab

[NO TEST]

PERCENT

SYMBOL

**SOIL SERIES** 

100

11B Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED

**CROP NAME** 

2020-Sp

2.9 tons 2.9 tons

YIELD

Fescue grass (hay), maint. - No Till

2021-Sp

Fescue grass (hay), maint. - No Till

Field Name:

**DMK-06** 

**Total Acres:** 

2.50 Usable Acres: 2.50

FSA Number: Tract: 10 3439

В

Location:

Caroline

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH P

Κ

Lab

[NO TEST]

PERCENT SYMBOL SOIL SERIES 100 11B Emporia Kempsville

Field Warnings:

**Crop Rotation:** PLANTED

YIELD

**CROP NAME** 

2020-Sp 2.9 tons 2021-Sp 2.9 tons Fescue grass (hay), maint. - No Till Fescue grass (hay), maint. - No Till

**Tract Name:** 3440 FSA Number: 3440

Location:

Caroline

Field Name: DMK-01

Total Acres: 34.50 Usable Acres: 34.50

FSA Number: 12 Tract: 3440

Location: Caroline

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT	SYMBO	OL SOIL SERIES
40	11B	Emporia Kempsville
10	21C	Kempsville Slagle
50	22B	Slagle

#### Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2020-Sp 145.6 bushel(s) Corn (grain) - No Till

2020-Fa 0.0 Fallow - No Till

2021-Sp 145.6 bushel(s) Corn (grain) - No Till

Field Name: DMK-02

Total Acres: 14.00 Usable Acres: 14.00

FSA Number: 3 4 Tract: 3440

Location: Caroline

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab [NO TEST]

PERCENT SYMBOL SOIL SERIES
45 11B Emporia Kempsville

5 13E Nevarc

45 21C Kempsville Slagle

5 22B Slagle

#### Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2020-Sp 1.8 \* acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: DMK-03

Total Acres: 11.30 Usable Acres: 11.30

FSA Number: 4 Tract: 3440

Location: Caroline

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab
[NO TEST]

PERCENT SYMBOL SOIL SERIES
50 11B Emporia Kempsville
5 21C Kempsville Slagle

45 22B Slagle

#### Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

 2020-Sp
 2.6 \* ton
 Hay/Pasture - No Till

 2021-Sp
 2.6 \* ton
 Hay/Pasture - No Till

Field Name: DMK-04

Total Acres: 8.90 Usable Acres: 8.90

FSA Number: 7 9 Tract: 3440

Location: Caroline

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

[NO TEST]

PERCENT SYMBOL SOIL SERIES 20 21C Kempsville Slagle 80 11B Emporia Kempsville

Field Warnings:

Crop Rotation:

PLANTED YIELD

В

CROP NAME

2020-Sp 3.1 tons 2021-Sp 3.1 tons Fescue grass (hay), maint. - No Till Fescue grass (hay), maint. - No Till

Field Name:

DMK-07

Total Acres:

14.60 Usable Acres: 14.60

FSA Number: 9 11 12 Tract: 3440

Location:

Caroline

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH P

K

Lab

[NO TEST]

Soils:

PERCENT

SYMBOL

SOIL SERIES

90

11B

Emporia Kempsville

21C Kempsville Slagle

10

# Field Warnings:

 Crop Rotation:
 CROP NAME

 PLANTED
 YIELD

 2020-Sp
 140.6 bushel(s)
 Corn (grain) - No Till

 2020-Fa
 0.0
 Fallow - No Till

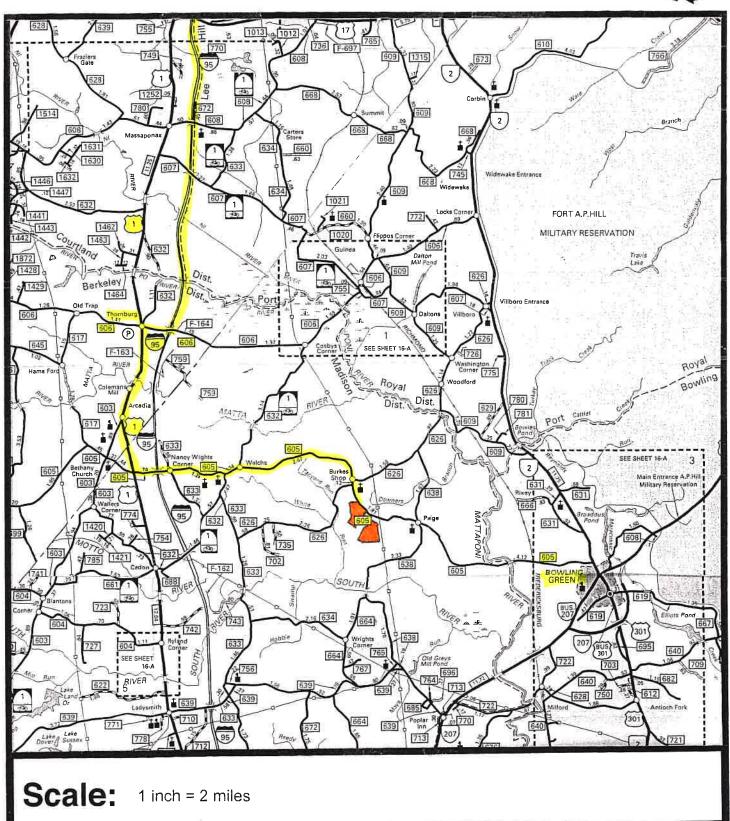
 2021-Sp
 140.6 bushel(s)
 Corn (grain) - No Till

# MAPS

# Recyc Systems.

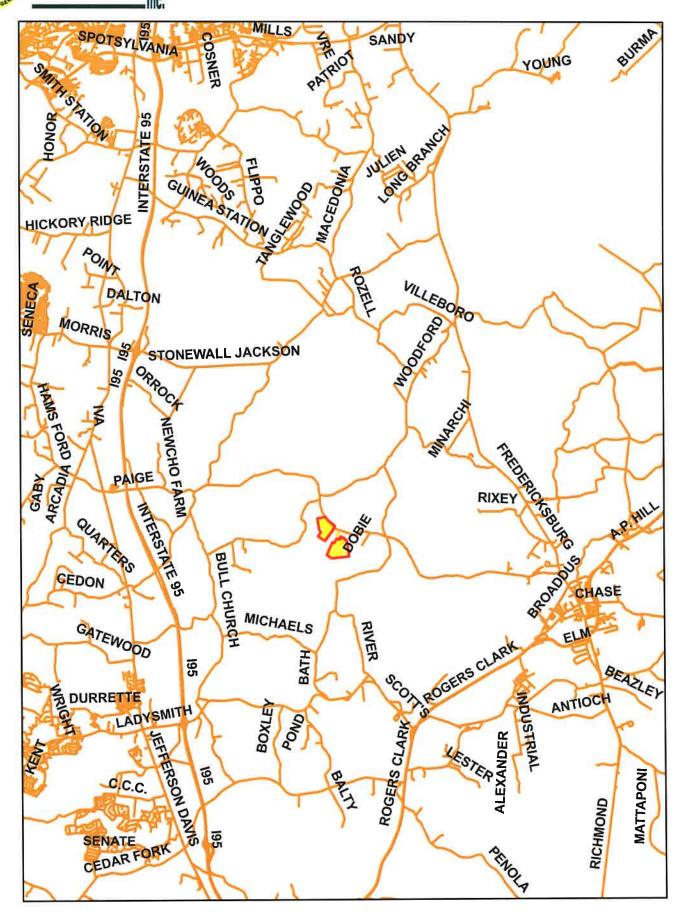
(Biosolids Land Application)



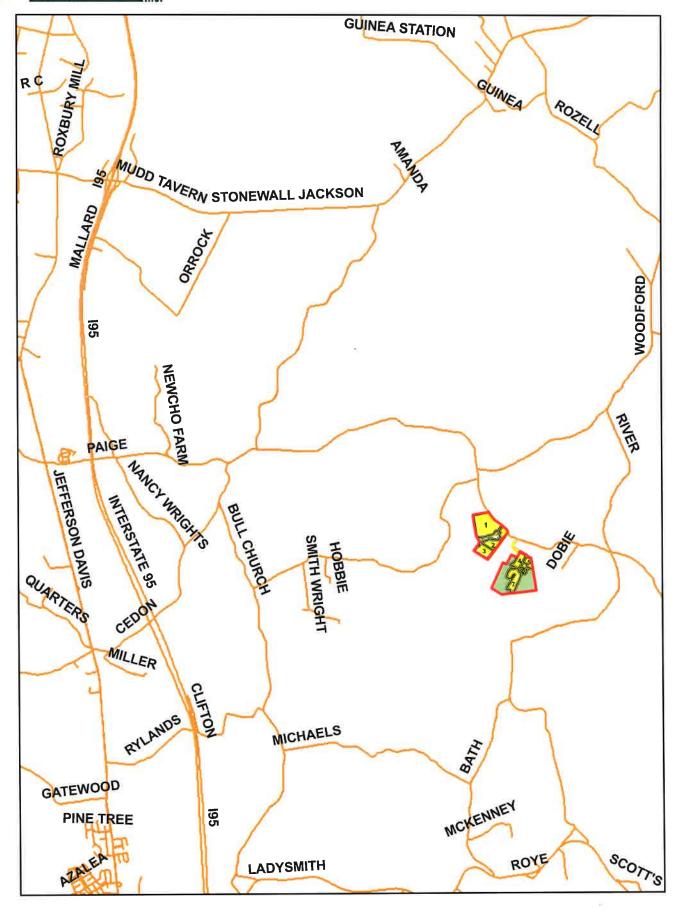


**VICINITY MAP** 

M



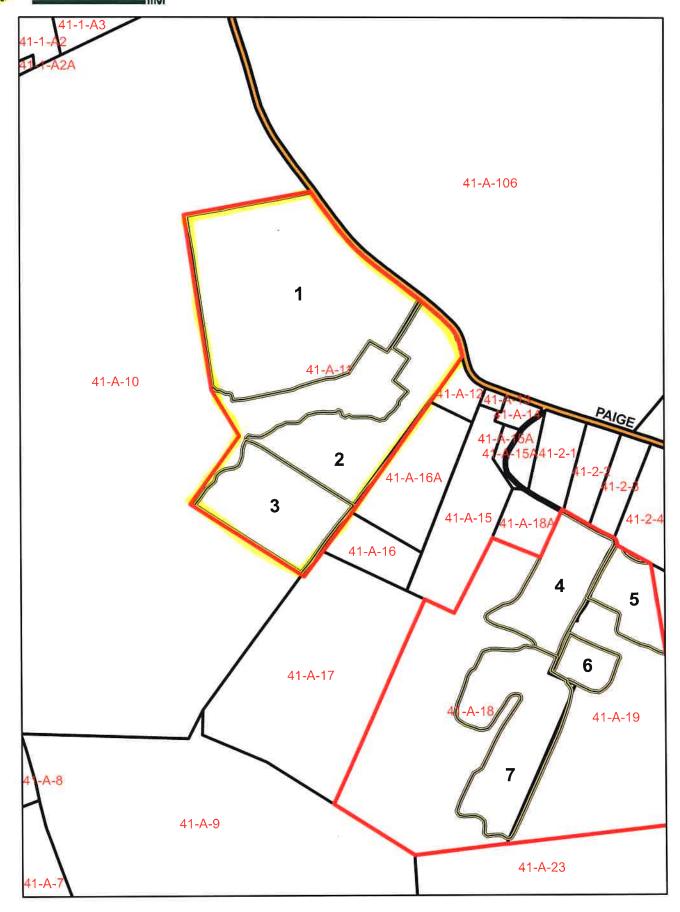






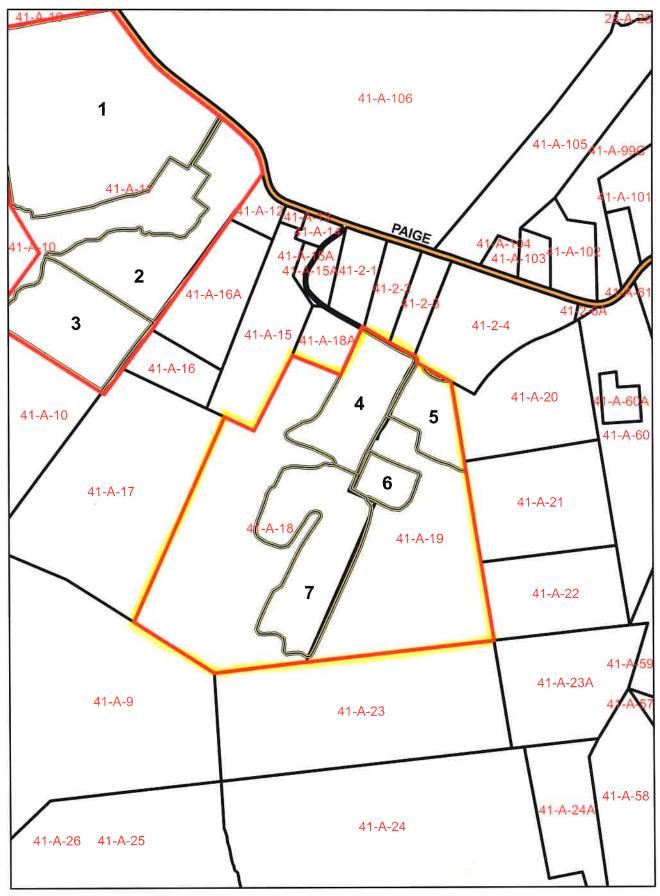
VICINITY MAP

1 inch = 1 mile











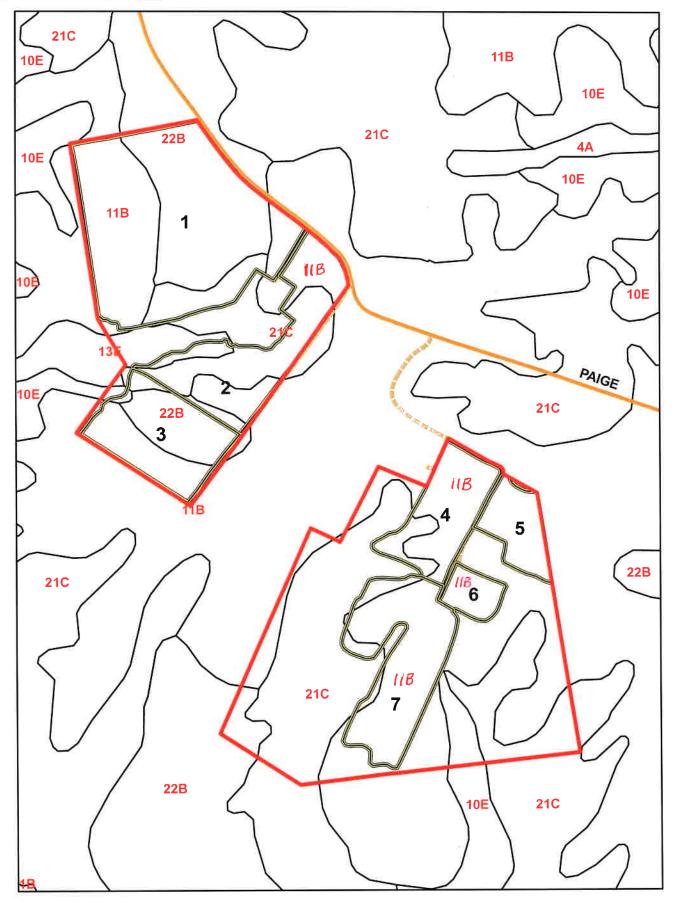
## ADJOINING LANDOWNERS

## Caroline County

## Daniel M Kulynych

Tax Map Number	Owner Name(s)
41-A-106	Charles H Mitz etals
41-A-10	Flippo Land & timber Co LLC
41-A-12	Paulette L Hudson & Theodore Jr
41-A-16A	Vernetta W Wilson
41-A-16	Garry L Wilson
41-A-17	Jean O wilson etals
41-A-13	Mary Jane Wilson
41-A-14	Doretha Wilson
41-A-15A	Dorothy Wilson
41-A-15A	Jean O Wilson etals
41-2-1	Donald E & Ennis McDonald
41-2-2	Lisa M Waller
41-2-3	Carolyn D Taylor & Virgie Lacour
41-2-4	Evan D & Lyndsi M Smith
41-2-5	Donald L Bateman, Jr & Emily Moritz
41-A-20	Joel C & Dawn M Kulynych
41-A-21	Daniel M Kulynych
41-A-22	Daniel M Kulynych
41-A-23A	Robert K Brooks
41-A-23A	Robert D & Virginia L Brooks
41-A-9	Pamela P Hodges & Daniel G Proulx
41-A-18A	Daniel M Kulynych
41-A-18	Daniel M Kulynych
41-A-11	Daniel M Kulynych
41-A-19	Edward G Thornton IV & Janet H



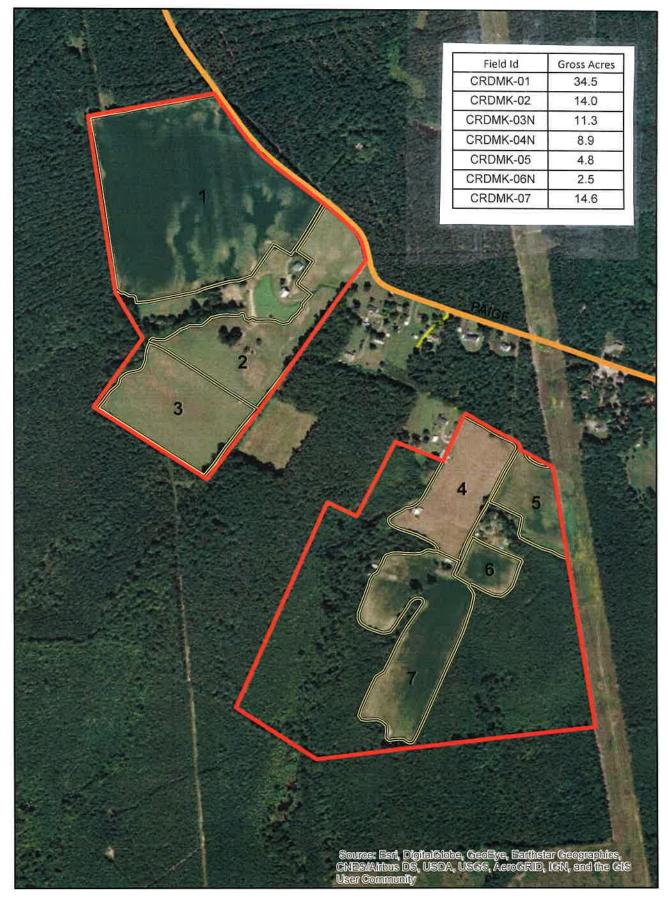




SOIL MAP

1 inch = 660 feet





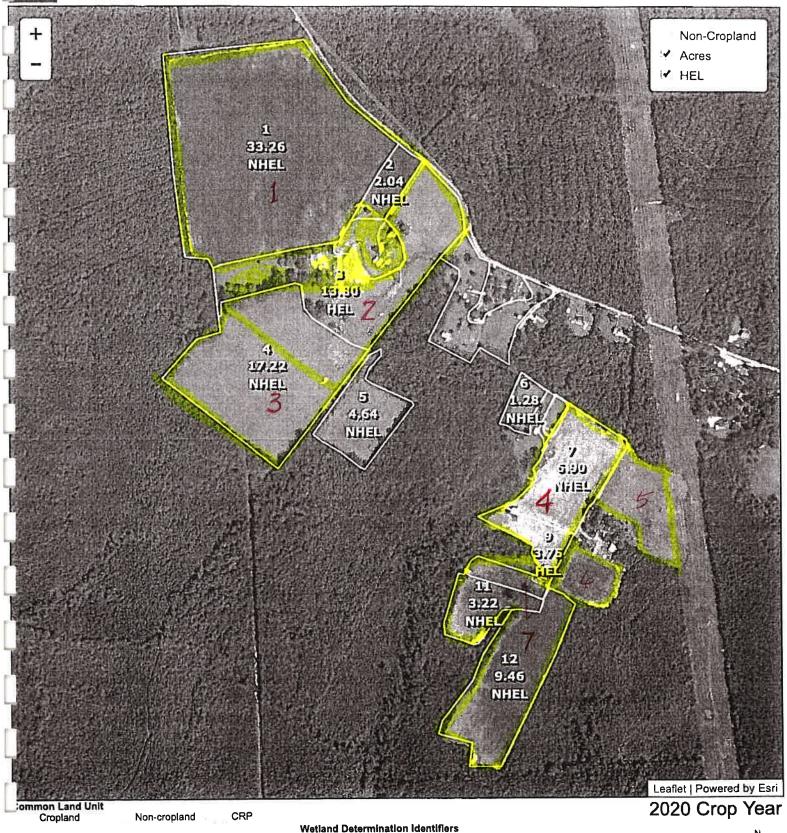


**AERIAL MAP** 

1 inch = 660 feet



## Caroline County, Virginia



Farm 2677 Fract 3440

Restricted Use
 Limited Restrictions

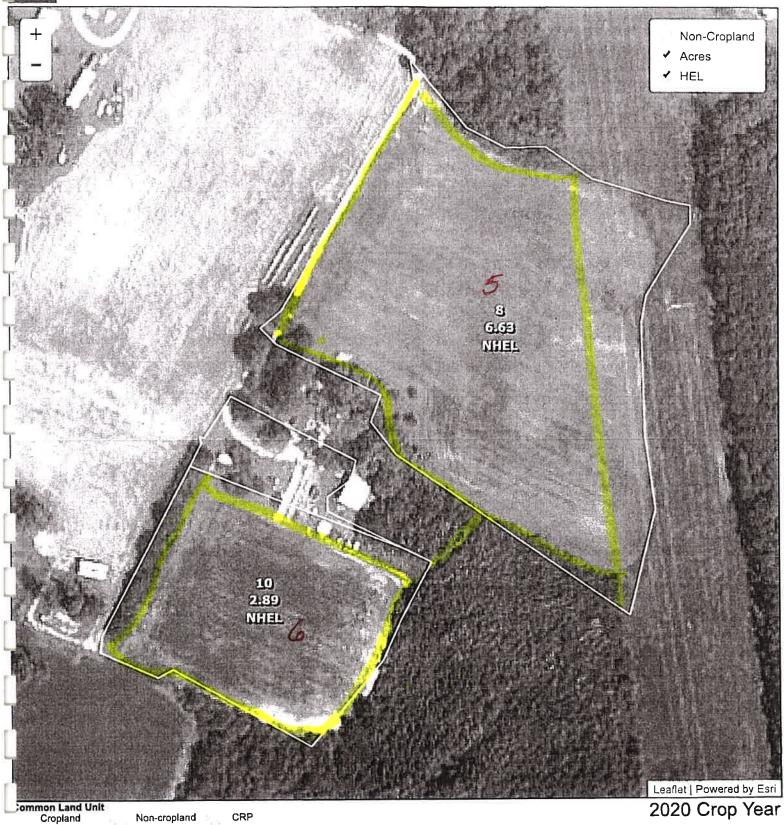
W S

Tract 1 of 1

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### Caroline County, Virginia



Farm **2676**Fract **3439** 

Wetland Determination Identifiers

Restricted Use

**Limited Restrictions** 

Exempt from Conservation Compliance Provisions

W ♣ E

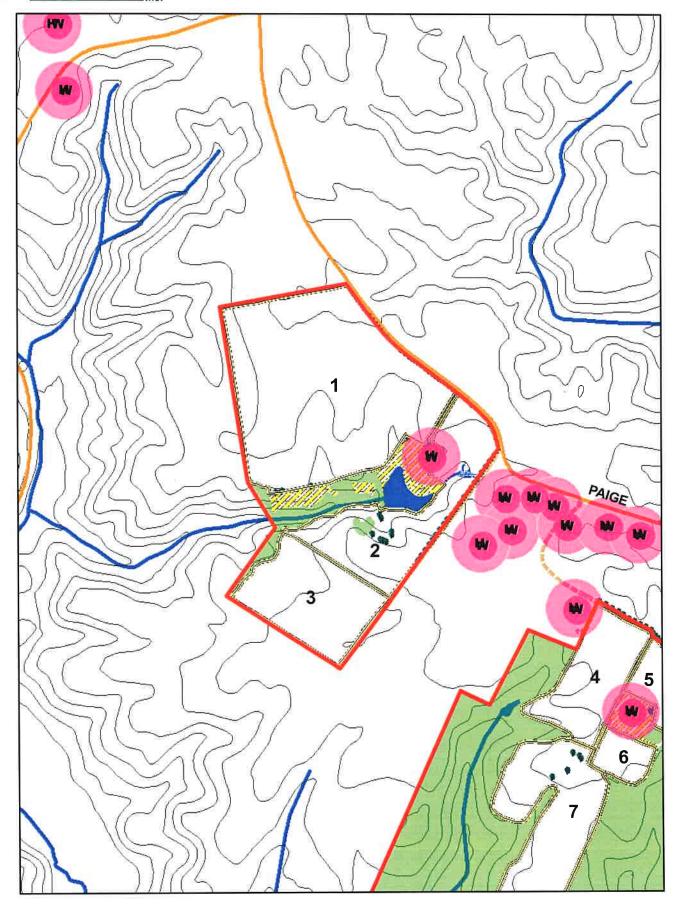
Fract 1 of 1

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## **Legend For Site Plan**

Symbol	Feature	Minimum Setback				
HW	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs				
ws	Well or Spring	100 feet from water supply wells or springs				
~	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer				
ш	Wet Spot	<b>3</b> 00				
	Trees and Woods					
	Private Drive					
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops				
Ξ.	Severely Eroded Spot	18 Inch minimum depth of soil				
s A	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes				
	State Road	10 feet from side of roadway				
	Fence / Field Boundary					
_P _ P_ P_	Property Line	100 feet from property line *				
SL S	Slope	15% maximum				
	Hashed out Area	No application				

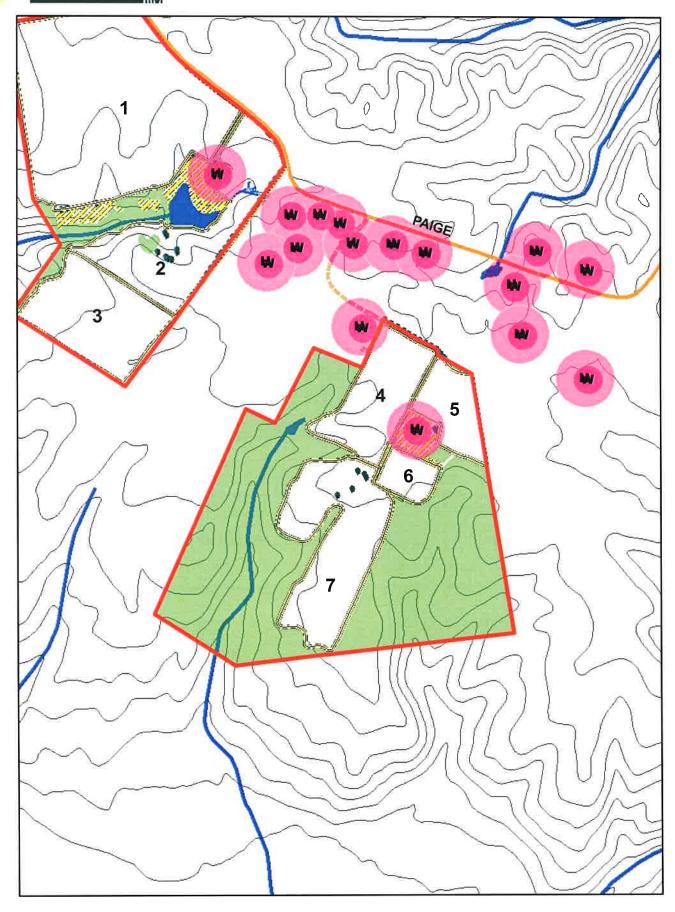
<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.





SITE PLAN

1 inch = 660 feet





SITE PLAN

1 inch = 660 feet



